SoMo® 650 Handheld Computer

Standard Version

Specification Sheet

PHYSICAL

Dimensions	5.00 x 2.94 x 0.98 inches (127 x 74.60 x 25 mm)
Total Mass	7.20 oz (204 g) with battery and stylus
Display	65K colors TFT LCD, 3.5", 16 bit-per-pixel, 240 (w) x 320 (L) resolution
Touch Panel	Glass analog resistive touch
Backlight	White LED backlight
Battery Type	3.7V 2600 mAh Lithium Ion rechargable
Backup Battery	Super Capacitor to support Realtime Clock
Expansion Slots	CompactFlash (CF) and Secure Digital I/O (SDIO) slots: reinforced to prevent damage when dropped
LED Indicators	Red/Green LED for alarm, battery charging Blue/Green LED for *Bluetooth* and Wireless LAN
Buttons	4 front panel programmable soft buttons 2 side programmable action buttons Control hold switch 5 navigation buttons Device reset button Power on/off button
Input Devices	Stylus (Note: touch sensitive display for stylus or fingertip)
Connectors	Barrel connector power jack 26 pin docking connector for ActiveSync USB 1.1 host & USB 2.0 Client 2.5mm headset jack with support for both voice and stereo music
Audio	Built-in Microphone and Speaker, voice recording capability with Notes application

PRE-LOADED SOFTWARE

Microsoft Software	Office Mobile: Word Mobile, Excel Mobile, PowerPoint Mobile, OneNote Mobile Web/Communications: Office Outlook Mobile, Internet Explorer Mobile, MSN Messenger Client Synchronization: ActiveSync Client Media: Windows Media Player Mobile Programmable Home Screen .NET Compact Framework v2.0 Calculator, Notes, Tasks
Socket Software*	Data Capture: SocketScan™ keyboard wedge for Socket barcode / RFID / magnetic stripe readers and UIC683 contactless smart card reader Wireless Broadband: SoMo 650 Back Pack Utilities WLAN / *Bluetooth*: Enhanced Wi-Fi® Companion™, Connect!Agent™ Power Management: Power Plus Battery Friendly® utility, Hold Switch utility, CPU Performance utility Cabled Communications: Modem Utilities, Ethernet Utilities
SocketSerial Software	Serial I/O drivers, USB-to-Serial adapter drivers, USB Ethernet Gigabit adapter drivers
Sprite Mobile Software	Sprite Backup (Trial version)

PERFORMANCE

Processor	Intel PXA270 @ 624 MHz
Operating System	Windows Mobile 6 Classic
Languages Available	Worldwide English, Chinese, Dutch, Finnish, French, German, Italian, Japanese, Portuguese (Brazilian/Iberian), Spanish, Swedish (Languages available via ROM upgrade, free to registered users)
Memory	128 MB SDRAM, 1 GB or 256 MB NAND FLASH
SoMo File Store	Non-volatile memory for device applications/configurations can survive hard reset of device Features Auto-Run support, ideal for provisioning deployments

*SoMo devices come with Wi-Fi Companion installed. Enhanced Wi-Fi Companion is pre-loaded on devices running Windows Mobile 6 Service Pack 4 or later but must be installed.

ENVIRONMENTAL

Operating Temperature	0° to 50° C (32° to 120° F)
Storage Temperature	-25° to 75° C (-13° to 167° F)
Humidity	95% non-condensing
Drop Specification	Multiple 1 m (3.3. ft) drops to vinyl-covered concrete With optional DuraCase: Multiple 1.3 m (4.3 ft) drops to vinyl-covered concrete
ESD Specification	+/- 8kV air discharge, +/- 8kV direct discharge

WIRELESS

Wireless Local Area Network	IEEE® 802.11 b/g Data Rate: 1/2/5.5/6/9/11/12/18/24/36/48/54 Mbps Frequency Range: Country dependent (chan 1- 14); 2.412 to 2.484 GHz Output Power: 14.5 dBm (OFDM); 16 dBm (CCK) Antenna: Internal Cisco CCX 4.0 certified*
Bluetooth	v2.0 + EDR Class 2 Supported Profiles: - GAP: Generic Access Profile - SDP: Service Discovery Profile - A2DP - Advanced Audio Profile - AVCTP - Audio/Video Control Transport Protocol - AVRCP - Audio/Video Remote Control Profile - DUN - Dial-up Networking Profile - GAVDP - Generic Audio/Video Distribution Profile - AVDTP - Audio/Video Distribution Transport Protocol - HSP: Headset Profile - HID - Human Interface Device (Host role) - OPP - Object Push Profile (Client and Server) - SPP - Serial Port Profile

LEGAL

Warranty	Handheld computer: One year standard warranty Accessories (battery, cable, case, charger, etc.): 90 days SocketCare™ enhanced service program available separately
Certification/ Compliance	FCC: Part 15, Class B Industry Canada RoHS and WEEE compliant EMI / RFI *Bluetooth* Certification (BQB test) Microsoft Windows Mobile 5.0, 6.1 Logo Test Certified EU/International: EN301 489-1, -17 EN61000-4-2: 1995, ESD ± 8kV air/±4kV contact NOM, COFETEL Cisco CCX 4.0 *(requires Enhanced Wi-Fi Companion software)** EN61000-4-3: 1997, radiated Immunity 3V/m EN61000-4-4: 1995, EFT ± 0.55kV EN61000-4-5: 1995, Surge ± 0.5kV EN61000-4-6: 1 CE: EN Electrical Safety EN60950, UL, CSA Wi-Fi Alliance Certification USB IF Test ANATEL TELEC

PACKAGE CONTENTS

SoMo 650-E	SoMo 650 handheld computer Wall charger: AC/DC adapter, Input 100~240 V AC USB sync/power cable Full size stylus Getting Started CD with software and User's Guide
SoMo 650-M	Same as SoMo 650-E plus: Desktop cradle: Simultaneous charge for docked unit and spare battery, includes USB 1.1 Host and USB 2.0 Client ports, powered from wall charger or USB synch/power cable Carrying case 2.5mm to 3.5mm audio headset adapter Audio headset with microphone

OPTIONAL ACCESSORIES

Data Capture	Barcode / RFID / magnetic stripe readers (SD / CF card or *Bluetooth* wireless)
Wireless Broadband	SoMo 650 Back Pack wireless broadband ExpressCard adapter (Novatel wireless modem not included)
Charging/ Synchronization	Battery Pack: Mobile Power Pack (not available in Europe) Cradles: Cradle kit, Multi-bay charger Cables: Car charger, Master USB with DC jack, USB sync cable, USB Y cable
Protection	DuraCase protective case Screen Protector Kit FlexGuard silicone cover
Input	Tethered Stylus
For a full list of Socket peripherals and accessories, visit: http://ww1.socketmobile.com/products/handheld-computers/accessories-hc.aspx	

** Requires Enhanced Wi-Fi Companion software, optional to install*

SKU NUMBERS - SINGLE UNIT, STANDARD CONFIGURATION*								
Model	Region	Worldwide English	Brazilian Portuguese	Spanish	French	German	Italian	Portuguese
SoMo 650-M (with cradle) Windows Mobile 6 (1 GB NAND FLASH)	N. America	HC1419-1216	HC1439-1236	HC1443-1240				
	International	HC1420-1217		HC1441-1238	HC1433-1230	HC1431-1228	HC1435-1232	HC1437-1234
SoMo 650-E Windows Mobile 6 (1 GB NAND FLASH)	N. America	HC1417-1214	HC1440-1237	HC1444-1241				
	International	HC1418-1215		HC1442-1239	HC1434-1231	HC1432-1229	HC1436-1233	HC1438-1235
SoMo 650-M (with cradle) Windows Mobile 6 (256 MB NAND FLASH)	N. America	HC1401-1172	HC0613-1282	HC0615-1015				
	International	HC1403-1174		HC0640-1040	HC0620-1020	HC0625-1025	HC0630-1030	HC0635-1035
SoMo 650-E Windows Mobile 6 (256 MB NAND FLASH)	N. America	HC0686-1087	HC0614-1283	HC0617-1017				
	International	HC0687-1088		HC0642-1042	HC0622-1022	HC0627-1027	HC0632-1032	HC0637-1037

SKU NUMBER - SINGLE UNIT, UPGRADE DVD				
Model	OS	Languages	Region	SKU Number
SoMo 650 Upgrade DVD	Upgrades from Windows Mobile 5.0 to Windows Mobile 6 Includes: - Socket Power Plus Battery Friendly® Utility - Socket Enhanced Wi-Fi® Companion™ wireless management utility	Chinese Dutch English (Worldwide) Finnish French Italian Japanese German Spanish Swedish Portuguese (Brazilian) Portuguese (Iberian)	All	SW1241-893

** Upgrade for any supported language available free to registered users of devices running Windows Mobile 6*

Sales Offices
Corporate Headquarters:
39700 Eureka Drive
Newark, CA 94560 USA

Web: socketmobile.com

Phone: +1-510-933-3000

USA & Canada Toll Free: 800-552-3300

Fax: +1-510-933-3030

Online: socketmobile.com/contact

© 2007-2010 Socket Mobile, Inc. Socket, the Socket logo, SoMo, Battery Friendly, Enhanced Wi-Fi Companion, SocketScan, Connect!Agent, Serial I/O Card, and Business Mobility Now! are registered trademarks or trademarks of Socket Mobile, Inc. Microsoft is a registered trademark of the Microsoft group of companies. The *Bluetooth* word mark and logos are owned by the Bluetooth SIG, Inc. and any use of such marks by Socket Mobile, Inc. is under license. Wi-Fi is a registered trademark of the Wi-Fi Alliance. All other brand and product names are trademarks of their respective holders. 6450-00150Q 4/2010